

RECEIVED

PTO/SB/68 (06-09)

Approved for use through 07/31/2009. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**REQUEST FOR ACCESS TO AN ABANDONED APPLICATION UNDER 37 CFR 1.14**

**File Information Unit**  
*Bring completed form to:*

File Information Unit, Room 2E04  
2900 Crystal Drive  
Arlington, VA 22202-3514

Telephone: (703) 308-2733

In re Application of \_\_\_\_\_

Application Number

09/285809

Filed

Apr 21 2003

Paper No. 8

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified **ABANDONED** application; which is not within the file jacket of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) and which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. \_\_\_\_\_, page, \_\_\_\_\_ line \_\_\_\_\_.

United States Patent Number 7134929, column \_\_\_\_\_, line, \_\_\_\_\_ or

WIPO Pub. No. \_\_\_\_\_, page \_\_\_\_\_, line \_\_\_\_\_.

**Related Information About Access to Applications Maintained in the Image File Wrapper System (IFW) and Access to Pending Applications in General**

A member of the public, acting without a power to inspect, cannot order applications maintained in the IFW system through the FIU. If the member of the public is entitled to a copy of the application file, then the file is made available through the Public Patent Application Information Retrieval system (Public PAIR) on the USPTO internet web site ([www.uspto.gov](http://www.uspto.gov)). Terminals that allow access to Public PAIR are available in the Public Search Room. The member of the public may also be entitled to obtain a copy of all or part of the application file upon payment of the appropriate fee. Such copies must be purchased through the **Office of Public Records** upon payment of the appropriate fee (37 CFR 1.19(b)).

For published applications that are still pending, a member of the public may obtain a copy of:

the file contents; the pending application as originally filed; or any document in the file of the pending application.

For unpublished applications that are still pending:

- (1) If the benefit of the pending application is claimed under 35 U.S.C. 119(e), 120, 121, or 365 in another application that has: (a) issued as a U.S. patent, or (b) published as a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of: the file contents; the pending application as originally filed; or any document in the file of the pending application.
- (2) If the application is incorporated by reference or otherwise identified in a U.S. patent, a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of the pending application as originally filed.

*Kevin Pae*  
Signature

7-13-09  
Date

Typed or printed name

Registration Number, if applicable

201 919 1718

Telephone Number

FOR PTO USE ONLY

Approved by: *RECEIVED*

(initials)

Unit

JUL 13 2009

File Information Unit

This collection of information is required by 37 CFR 1.11 and 1.14. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **BRING TO: File Information Unit, Room 2E04, 2900 Crystal Drive, Arlington, Virginia.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*



US007134929B2

(12) **United States Patent**  
**Chen**

(10) **Patent No.:** **US 7,134,929 B2**  
(45) **Date of Patent:** **Nov. 14, 2006**

(54) **TEAR RESISTANT GELS, COMPOSITES,  
AND DIVING APPAREL ARTICLES**

(75) **Inventor:** **John Y. Chen**, Hillsborough, CA (US)

(73) **Assignee:** **Applied Elastomerics, Inc.**, South San Francisco, CA (US)

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 431 days.

(21) **Appl. No.:** **10/420,488**

(22) **Filed:** **Apr. 21, 2003**

(65) **Prior Publication Data**

US 2003/0186603 A1 Oct. 2, 2003

#### **Related U.S. Application Data**

(63) Continuation-in-part of application No. 10/334,542, filed on Dec. 31, 2002, and a continuation-in-part of application No. 10/299,073, filed on Nov. 18, 2002, and a continuation-in-part of application No. 10/273,828, filed on Oct. 17, 2002, now Pat. No. 6,909,220, and a continuation-in-part of application No. 10/199,364, filed on Jul. 20, 2002, now Pat. No. 6,794,440, and a continuation-in-part of application No. 10/199,361, filed on Jul. 20, 2002, and a continuation-in-part of application No. 10/199,362, filed on Jul. 20, 2002, and a continuation-in-part of application No. 10/199,363, filed on Jul. 20, 2002, and a continuation-in-part of application No. 09/721,213, filed on Nov. 21, 2001, now Pat. No. 6,867,253, and a continuation-in-part of application No. 09/896,047, filed on Jun. 30, 2001, and a continuation-in-part of application No. 09/517,230, filed on Mar. 2, 2000, now abandoned, and a continuation-in-part of application No. 09/412,886, filed on Oct. 5, 1999, now abandoned, and a continuation-in-part of application No. 09/285,809, filed on Apr. 1, 1999, now abandoned, and a continuation-in-part of application No. 09/274,498, filed on Mar. 23, 1999, now Pat. No. 6,420,475, and a continuation-in-part of application No. 09/130,545, filed on Aug. 8, 1998, now Pat. No. 5,467,626, and a continuation-in-part of application No. 08/984,459, filed on Dec. 3, 1997, now Pat. No. 6,324,703, and a continuation-in-part of application No. PCT/US97/17534, filed on Sep. 30, 1997, and a continuation-in-part of application No. 08/909,487, filed on Aug. 12, 1997, now Pat. No. 6,050,871, and a continuation-in-part of application No. 08/863,794, filed on May 27, 1997, now Pat. No. 6,117,176, and a continuation-in-part of application No. 08/719,817, filed on Sep. 30, 1996, now Pat. No. 6,148,830, and a continuation-in-part of application No. 08/665,343, filed on Jun. 17, 1996, which is

a continuation-in-part of application No. 08/612,586, filed on Mar. 8, 1996, now Pat. No. 6,552,109, and a continuation-in-part of application No. 08/581,188, filed on Dec. 29, 1995, now abandoned, and a continuation-in-part of application No. 08/581,191, filed on Dec. 29, 1995, now Pat. No. 5,760,117, and a continuation-in-part of application No. 08/581,125, filed on Dec. 29, 1995, now Pat. No. 5,962,572, and a continuation-in-part of application No. 08/288,690, filed on Aug. 11, 1994, now Pat. No. 5,633,286, said application No. 08/581,188 is a continuation-in-part of application No. 08/288,690, filed on Aug. 11, 1994, now Pat. No. 5,633,286, and a continuation-in-part of application No. PCT/US94/07314, filed on Jun. 27, 1994, and a continuation-in-part of application No. PCT/US94/04278, filed on Apr. 19, 1994, said application No. 08/581,191 is a continuation-in-part of application No. 08/288,690, filed on Aug. 11, 1994, now Pat. No. 5,633,286, and a continuation-in-part of application No. PCT/US94/07314, filed on Jun. 27, 1994, and a continuation-in-part of application No. PCT/US94/04278, filed on Apr. 19, 1994, said application No. 08/581,125 is a continuation-in-part of application No. 08/288,690, filed on Aug. 11, 1994, now Pat. No. 5,633,286, and a continuation-in-part of application No. PCT/US94/07314, filed on Jun. 27, 1994, and a continuation-in-part of application No. PCT/US94/04278, filed on Apr. 19, 1994.

(51) **Int. Cl.**  
**B63B 9/08** (2006.01)  
**B63B 11/04** (2006.01)  
**B32B 27/30** (2006.01)  
**B32B 27/22** (2006.01)  
**C08L 53/00** (2006.01)  
(52) **U.S. Cl.** ..... **441/102; 2/2.15; 2/2.16; 442/62; 442/85; 524/505**  
(58) **Field of Classification Search** ..... **442/85, 442/62; 441/102; 2/458, 2.15, 2.16; 524/505**  
See application file for complete search history.

(56) **References Cited**

#### **U.S. PATENT DOCUMENTS**

6,324,703 B1 \* 12/2001 Chen ..... 2/458

\* cited by examiner

*Primary Examiner*—Herbert J. Lilling

(57) **ABSTRACT**

Composite gel articles shaped in the form of a body shaped suit for diving made by injection molding, extruding, spinning, casting, or dipping.

**12 Claims, 12 Drawing Sheets**